

# SAIRAM CHANDRA REDDY DOMA

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## SUMMARY

Software Engineer with 3+ years of experience building scalable full-stack, cloud-native, and AI-enhanced applications. Proven expertise in React, Node.js, Django, Spring Boot, and AWS/Azure, with hands-on experience delivering production systems, CI/CD pipelines, and AI-powered features. Strong focus on performance optimization, system reliability, and business impact.

## EDUCATION

Elmhurst University, Chicago, IL

Dec 2025

### Master of Science in Computer Science and Information Systems

Relevant Courses: Web Application Development, Software Engineering, Cloud Computing, Computer Networks.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, SQL

**Frontend:** React, Vue 3, Nuxt3, Tailwind, Material UI

**Backend:** Node.js, Express, Django REST, Spring Boot

**Databases:** PostgreSQL, MySQL, Elasticsearch, Redis

**Cloud & DevOps:** AWS, Azure, Docker, CI/CD, Nginx, Linux

**APIs & Architecture:** REST, Microservices, OAuth2, JWT

**AI & Data:** AI APIs, Elasticsearch, Kafka, Spark (basic).

## WORK EXPERIENCE

### Software Engineer — Varmodel AI

09/2025 – Present

(Vue 3 | Django REST | PostgreSQL | Redis | Docker | GitLab CI/CD | Digital Ocean)

Texas, United States

- Built and shipped full stack features for a startup focused social platform using Nuxt3, Vue 3, Pinia, Tailwind, and Django REST.
- Designed and implemented backend APIs for authentication and user workflows using Django REST Framework and PostgreSQL.
- Integrated Google and LinkedIn OAuth using OpenID Connect and python-social-auth with secure token handling.
- Built Docker and Docker Compose multi service environments including backend, PostgreSQL, Redis, and Celery.
- Implemented and validated CI CD pipelines for frontend and backend across QAT, Staging, and Production, deploying to Digital Ocean and configuring Nginx plus SSL.
- Improved reliability by debugging production issues across Docker networking, Redis, and database storage and migrations.

### Software Engineer

Technocraft Engineering Solutions, Hyderabad, India

May 2021 - Dec 2023

- Played a key role in designing and developing robust RESTful APIs using Spring Boot framework.

- Enhanced API performance by Utilizing AWS CloudFront, achieving a 40% decrease in latency and a 50% increase in overall performance.
- Optimized performance of a critical payment processing module, decreasing transaction latency by 25% and improving throughput by 30% by refactoring Java-based microservices and implementing caching strategies.
- Collaborated with a team of 6 developers to design and implement key features for a Java-based application, revising system reliability by 30% and cutting down deployment time through streamlined code reviews and effective communication.

## PROJECTS

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### **HealthApp – Full-Stack Healthcare Platform (Azure | React | Node.js)**

- Designed and deployed a HIPAA-aware healthcare platform supporting patients, doctors, and admins
- Implemented secure RBAC, JWT authentication, and LDAP-based SSO for enterprise identity management
- Built CI/CD pipelines on Azure DevOps, reducing deployment time by 87%
- Optimized database queries and indexing to cut API latency by 73%

### **Sports Hub | 2024**

- Created a web application for purchasing sports event tickets, leveraging ReactJS for the front end and NodeJS/Express.js for the backend, leveraging the Ticketmaster API for real-time ticket data.
- Developed event recommendations based on location and weather using Google Maps API, boosting user engagement through personalized suggestions.
- Automated ticket delivery via Nodemailer, built for scalability, capable of processing over 100 tickets per month in a simulated environment.

### **Blogging Website | 2024**

- Created front-end for blogging website utilizing ReactJS, Material UI with an appealing user interface.
- Utilized Elasticsearch to store and index over 50,000 user profiles, posts, and comments, revamping search query speed by 50% and enhancing content retrieval, increased scalability and elevated the overall user experience.
- Integrated OpenAI's language model to automatically generate contextually relevant comments for blog posts, increasing user engagement by 30% and boosting interaction rates through personalized, AI-driven responses.
- Utilized SerpAPI and ip-API to deliver personalized event recommendations, boosting user participation and overhauling location accuracy by 40%.
- Implemented search functionality and features like post creation, comment management, and topic filtering, revamping user content discovery by 40% and increasing engagement with posts and comments.